

# Electronic Transformers

## 150 WATT "RS" SERIES ELECTRONIC TRANSFORMERS



**RS12-150**

### Electrical/Mechanical Specifications

#### Soft Start Circuitry

All models of Hatch low-voltage transformers utilize a soft start circuitry to maximize lamp life. The soft start circuit ramps up the lamp filament voltage slowly when the lamp is cold.

Note: Instant Start on Hot Lamp Re-Strike

#### Electronic Short-Circuit Protection

All Hatch low-voltage transformers employ our (ESP) Electronic Short Circuit and over load Protection. The ESP sensing circuit will instantly shut down the output before any of the components are stressed if a short circuit or over load is detected. The transformer will automatically reset as soon as the fault is corrected.

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### Electronic Low Voltage Transformer Product Features:

- High Reliability
- Moisture Resistant
- Emits No Audible Noise
- Low Harmonic Distortion
- High Power Factor
- Lightweight, Compact Design
- Small Case Size
- Works with most commercially available dimmers. Hardwire electronic dimmers are recommended for optimum performance.  
(See notes on back page.)

### Environmental Specifications

|                              |                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| Maximum Case Temperature     | 80°C                                                                                                         |
| Minimum Starting Temperature | -30°C                                                                                                        |
| Sound Rating                 | A+                                                                                                           |
| Operating Humidity           | 95% relative humidity, non-condensing                                                                        |
| Environmental Protection     | Epoxy Sealed for moisture resistance and shock/vibration resistance                                          |
| Safety Listing               |  Class P Type 1 outdoor |

### Electrical/Mechanical Specifications

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Input                     | 120VAC or 277VAC - 50/60 Hz                                                                |
| Output                    | 11.5 VAC or 23.5                                                                           |
| Enclosure Material        | Metal                                                                                      |
| Weight                    | 6.4 oz.                                                                                    |
| Power Factor              | > 0.95                                                                                     |
| Operating Frequency       | 25 KHz                                                                                     |
| Total Harmonic Distortion | ≤ 20%                                                                                      |
| Safety Standard           |  C US |
| Input Leads               | 6", 18AWG stranded, 105 degree C stripped 3/8" tinned                                      |
| Output Leads              | 6", 18AWG stranded, 105 degree C stripped 3/8" tinned                                      |

# hatch

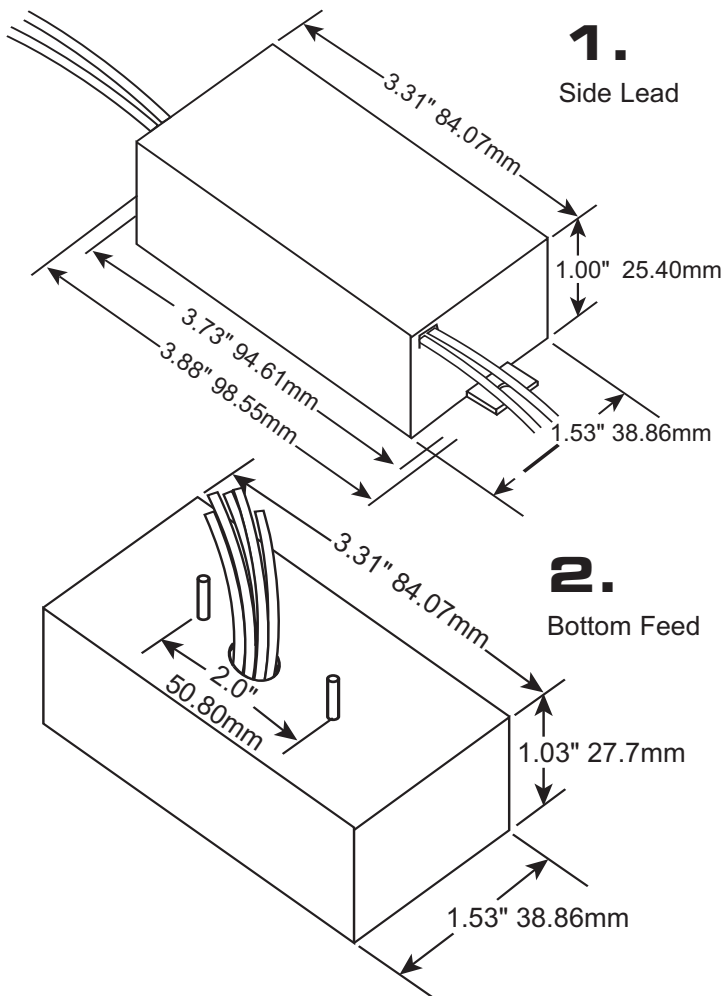
Hatch Transformers, Inc.

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# Electronic Transformer

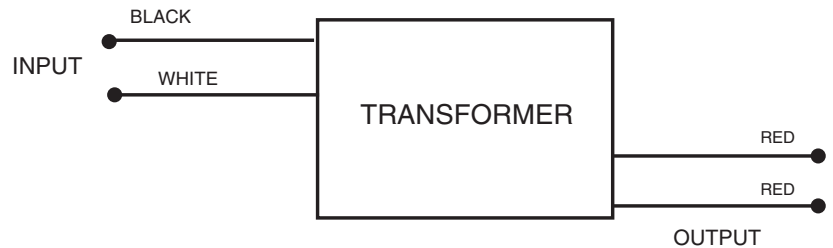
## 150 Watt RS Series

### DIMENSIONS



### WIRING DIAGRAMS

DIAGRAM A



### HARDWIRE ELECTRONIC

| Max Watts | Min Watts | Input Volts | Input Amps | Output Volts | Output Amps | Case Style | Wiring Dia. | Hatch Item No. | Safety Listing     |
|-----------|-----------|-------------|------------|--------------|-------------|------------|-------------|----------------|--------------------|
| 150       | 10        | 120         | 1.25       | 11.5         | 13.05       | 1          | A           | RS12-150       | UL/C-UL Recognized |
|           |           |             |            |              |             | 2          | A           | RS12-150BF     |                    |
|           |           |             |            | 23.5         | 6.39        | 1          | A           | RS24-150       |                    |
|           |           | 277         | 0.55       | 11.5         | 13.05       | 1          | A           | RS12-150-277   |                    |
|           |           |             |            |              |             | 2          | A           | RS12-150-277BF |                    |
|           |           |             |            |              |             |            |             |                |                    |

\*Note: Must use a minimum of 20 watts when using dimmers. It is also important to confirm dimming controls compatibility with the manufacturer and your Hatch representative.

Specifications subject to change without notice. 0409



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